PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

### INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Complete if Known					
Application Number	10/809.654				
	03/25/2004				
First Named Inventor	Zhonglin Hao				
	1653				
Examiner Name					
Attorney Docket Number	00497-08				

U.S. PATENT DOCUMENTS							
Examiner	Cito	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where		
		Number-Kind Code <sup>2</sup> (if known,		Applicant of Cited Document	Relevant Passages or Relevant Figures Appear		
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Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code 3 - Number 4 - Kind Code 6 ft inc	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pagas, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	70
$\mathcal{R}$	1	WO 01/12708	03-09-2000	Genentech Inc.		
9	2	WO 98/00486	01-08-1998	Procter & Gamble -		Г
	3	WO 99/11293	03-11-1999	Human Genome Sciences, Inc.		
04	4	WO 01/42451	12-07-2000	Genset		
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Examiner Date Considered

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1 Applicant's unique distion designation number (optional). \*\*See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. \*\*Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \*\*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*\*Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \*\*Applicant is to place a check mark here if the serious of t English language Translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/809.654				
Filing Date	03/25/2004				
First Named Inventor	Zhonglin Hao				
Group Art Unit	1653				
Examiner Name					
Attorney Docket Number	00497-08	フ			

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), oublisher, city and/or country where published.	72
(P	A	Naz, Rajesh K: "Application of Sperm Antigens in Immunocontraception", Frontiers in Bioscience 1, e87-95, Sep. 1 (1996).	
	В	O'HERN, PATRICIA A. et al: "Reversible Contraception in Female Baboons Immunized with a Synthetic Epitope of Sperm-Specific Lactate Dehydrogenase", Biology of Reproduction, Vol. 52, pp 331-339, (1995).	
	С	DATABASE EMBL 'Online!, Accession Number AF203447, 12 Nov. 2000, HAO, Z. et al.;"Homo Sapiens sperm acrosome membrane protein SAMP32, mRNA, complete cds".	
	D	DATABASE EMBL 'Online!, Accession Number AW173256, 17 Nov. 1999, NATIONAL CANCER INSTITUTE, CANCER GENOME ANATOMY PROJECT (CGAP): "Homo Sapiens cDNA clone".	
	E	DATABASE EMBL 'Online!, Accession Number AA824354, 20 Feb 1998, NATIONAL CANCER INSTITUTE, CANCER GENOME ANATOMY PROJECT (CGAP): "Homo Sapiens cDNA clone".	
	F	DATABASE EMBL 'Online, Accession No. AA431165, 25 May 1997, HILLIER, L. ET AL,: "zw71g10.r1 Soares_testis_NHT Homo sapiens cDNA clone".	
	G	DATABASE GENESEQ [Online], Accession No. AAV63171, 12 Jan. 1999, AGOSTINO MJ, et al.: "cDNA from clone cf50_1 which encodes a secreted protein".	
		DATABASE GENESEQ [ONLINE], Accession No. AAA37094, 8 August 2000, BAKER, K et al,: "Human PRO1418 (UNQ732) cDNA Sequence SEQ ID NO:264".	
	I	DATABASE GENESEQ [ONLINE], Accession No. AAW80397, 12 January 1999, AGOSTINO MJ et al: "A Secreted Protein Encoded by Clone cf50_1".	
	- 1	DATABASE GENESEQ [ONLINE], Accession No. AAY99412, 8 August 2000, BAKER, K et al, "Human PRO1418 (UNQ732) Amino Acid Sequence SEQ ID NO:265".	
0	.	CHEN, MICHELLEE S., et al.: "Role of the integrin-associated protein CD9 in binding between sperm ADAM 2 and the egg integrin a6b1: Implications for Murine Fertilization", PNAS, Vol 96, No. 21, pp 11830-11835, Oct 12 (1999).	

Examiner	Date	
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Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citalian is in Conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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INFORMATION DISCLOSURE				Application Number	10/809,654		
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STATI	FMENT RY	γ Δ	PPI ICANT	First Named Inventor	Zhonglin Hao		
STATEMENT BY APPLICANT				Group Art Unit	1653		
	(use as many she	ets e	s necessary)	Examiner Name			
Sheet	2	of	2	Attorney Cocket Number	00497-08		

	Γ-	OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the	<u> </u>				
Examiner Initials*	Cite No.1	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), oublisher, city and/or country where published.	T				
P	L	LE NOIR, FRANCOIS, et al.: "Severely Reduced Female Fertility in CD9-Deficient Mice", SCIENCE, Vol. 287, Jan. 14 (2000).					
	М	EKMAN, ALAN B. et al,: "N-linked glycan of a sperm CD52 glycoform associated b human infertility", FASEB, Vol. 13, pp 1303-1308, Aug. (1999).					
D	N	AIYADO, Kenji, et al.: "Reguirement of CD9 on the Egg Plasma Membrane for ertilization", SCIENCE, Vol 287, Jan 14, (2000).					
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# **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18
Stylesheet Version v18.0

Title of Invention

Sperm Specific Proteins

**Application Number:** 

10/809654

Confirmation Number:

8532

First Named Applicant:

John Herr

Attorney Docket Number: 00497-08

30/11/1/2/1

Art Unit:

1653

Examiner:

Not Yet Assigned

Search string:

( 5602005 or 5830472 ).pn.

#### **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
0	1	5602005	1997-02-11	Herr, et al.			
0	2	5830472	1998-11-03	Herr, et al.			

## Signature

Examiner Name	Date
	2-17-06

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	(use as many sh	eets as	necessary)	Examiner Name		
Sheet	1	of	1	Attorney Docket Number	00497-08	

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0	A	Schellenberger, V., Turck, C. W., Hedstrom, L. and Ritter, W. J. (1993). Mapping the S' Subsites of Serine Proteases Using Acyl Transfer to Mictures of Peptide Mucleophiles. Biochemistry, Vol. 32,		
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